

ABSTRACT OF THE DISCLOSURE

[PROBLEMS] To provide a monomethine dye compound that enables
5 formation of a thin film with high refractive index and
excellent optical properties through formation of a
homogeneous thin film of dye molecule J-association complex
by easy means (spin coating technique) and that has high
sensitivity and excels in short mark recording capability so
10 as to be suitable for high speed recording and high density
recording, and further to provide an optical information
recording medium utilizing the monomethine dye compound and
a process for producing the same.

[MEANS FOR SOLVING PROBLEMS] Attention has been focused on
15 employment of a spin coating technique so that a homogeneous
thin film can be easily formed through coating; on using of
a dye material capable of forming a J-association complex to
thereby realize excellent optical properties (high refractive
index); on using of an oxocyanine dye of high solubility as
20 the dye material so as to enable employment of a solvent free
from substrate erosion; on using of a dye exhibiting a large
difference between refractive index before recording and
refractive index after recording, the decomposition of the dye
brought about by an endothermal reaction; etc. There is
25 provided a monomethine dye compound of Fig. 1 characterized
in that it is applicable onto a substrate by a spin coating
technique.

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